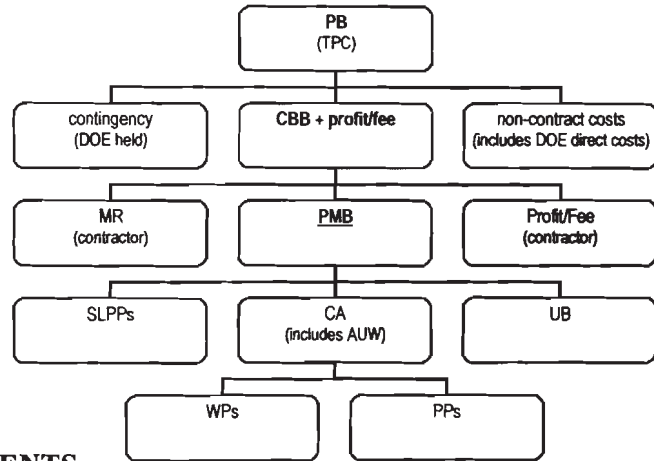
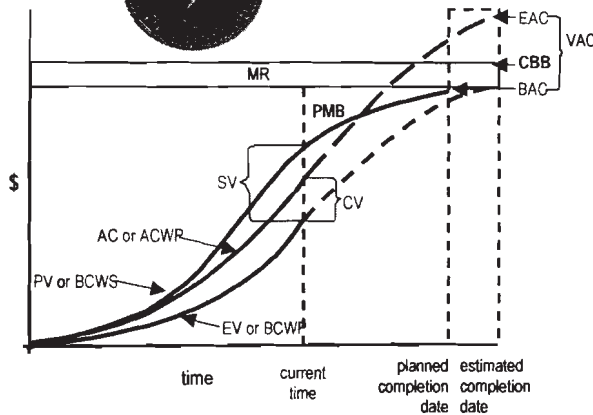




APPENDIX B—DOE EVMS GOLD CARD



PERFORMANCE BASELINE COMPONENTS

- | | | |
|-------------|------------------------------------------|----------------------------------------------------------------------------|
| PB | = CBB + contingency + non-contract costs | = performance baseline (TPC, total project cost) |
| contingency | = | = held by DOE & based on technical and programmatic risks |
| CBB | = PMB + MR | = contract budget base |
| PMB | = CAs + UB + SLPPs | = performance measurement baseline |
| MR | = | = management reserve (held by contractor based on contractor risks) |
| SLPP | = | = summary level planning package |
| AUW | = | = authorized unpriced work (contractually approved but not yet negotiated) |
| CA | = WPs + PPs | = control account (includes AUW, lowest WBS element assigned) |
| UB | = | = undistributed budget (activities not yet distributed to CA) |
| WP | = | = work package (near-term, detail-planned activities within a CA) |
| PP | = | = planning package (far-term activities within a CA) |

EVMS BASIC COMPONENTS¹

- | | | | |
|-----|-----------------|-------------------|------------------------------------|
| AC | = actual cost | = ACWP | = actual cost of work performed |
| EV | = earned value | = BCWP | = budgeted cost for work performed |
| PV | = planned value | = BCWS | = budgeted cost for work scheduled |
| BAC | = cumulative PV | = cumulative BCWS | = budget at completion |

VARIANCES¹

- | | | | |
|------|----------------|----------------------|---------------------------------|
| CV | = EV - AC | = BCWP - ACWP | = cost variance |
| SV | = EV - PV | = BCWP - BCWS | = schedule variance |
| CV % | = (EV - AC)/EV | = (BCWP - ACWP)/BCWP | = cost variance, percentage |
| SV % | = (EV - PV)/PV | = (BCWP - BCWS)/BCWS | = schedule variance, percentage |
| VAC | = BAC - EAC | | = variance at completion |

OVERALL STATUS

- | | | | |
|----------------|---------------------------|-----------------------------|--------------------|
| % scheduled | = PV _{cum} /BAC | = BCWS _{cum} /BAC | |
| % complete | = EV _{cum} /BAC | = BCWP _{cum} /BAC | |
| % budget spent | = AC _{cum} /BAC | = ACWP _{cum} /BAC | |
| WR | = BAC - EV _{cum} | = BAC - BCWP _{cum} | = work remaining |
| BR | = BAC - AC _{cum} | = BAC - ACWP _{cum} | = budget remaining |

PERFORMANCE INDICES¹

- | | | | |
|---------------------|----------|-------------|--------------------------------------|
| CPI | = EV/AC | = BCWP/ACWP | = cost performance index |
| SPI | = EV/PV | = BCWP/BCWS | = schedule performance index |
| TCPI _{BAC} | = WR/BR | | = to complete performance index, BAC |
| TCPI _{EAC} | = WR/ETC | | = to complete performance index, EAC |

COMPLETION ESTIMATES

- | | | |
|--------------------------|---------------------------------------------------------------------|-------------------------------------------------------------------------------|
| EAC | = BAC/CPI _{cum} | = estimate at completion, general |
| EAC _{CPI} | = AC _{cum} + WR/CPI _{cum} | = estimate at completion, CPI |
| EAC _{composite} | = AC _{cum} + WR/(CPI _{cum} * SPI _{cum}) | = estimate at completion, composite |
| LRE | = | = latest revised estimate (contractor's, assessed monthly, annual bottoms-up) |
| ETC | = EAC - AC _{cum} | = estimated to complete |

¹ Calculations based on AC, EV, and PV may be based on various time periods, i.e. monthly, cumulative (cum), last 3 months,...